

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:38:27 ; Search time 2 Seconds
(without alignments)
20.947 Million cell updates/sec

Title: AC139623
Perfect score: 202471
Sequence: 1 ATCAAAATGAGGAATTAATG.....CTGTAAGAGACATTTCCTCA 203371

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 0.5

Searched: 6 seqs, 103 residues
Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	0.0	21	1 US-10-717-573-8	Sequence 8, Appli
C 2	19.4	0.0	21	1 US-10-717-573-8	Sequence 8, Appli
C 3	16.8	0.0	20	1 US-10-717-573-7	Sequence 7, Appli
C 4	16.8	0.0	20	1 US-10-717-573-7	Sequence 7, Appli
C 5	16.8	0.0	20	1 US-10-717-573-9	Sequence 9, Appli
C 6	15.8	0.0	20	1 US-10-717-573-9	Sequence 9, Appli
C 7	11.4	0.0	13	1 US-10-717-573-5	Sequence 5, Appli
C 8	11	0.0	13	1 US-10-717-573-5	Sequence 5, Appli
C 9	10.8	0.0	14	1 US-10-717-573-4	Sequence 4, Appli
C 10	10.8	0.0	14	1 US-10-717-573-4	Sequence 4, Appli
C 11	11.8	0.0	15	1 US-10-717-573-6	Sequence 6, Appli
C 12	12.4	0.0	15	1 US-10-717-573-6	Sequence 6, Appli

ALIGNMENTS

RESULT 1
US-10-717-573-8
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-PABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA

9
; ORGANISM: Danio rerio
US-10-717-573-8
Query Match 0.0%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 0.5;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 99790 TGACTTGCCTAATACCTAA 99810
DB 1 TGACTTGCCTAATACCTAA 21

RESULT 2
US-10-717-573-8/c
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-PABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8

Query Match 0.0%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.88;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 177798 TTAGGCTAATAGGCAAGTTA 177818
DB 21 TTAGGCTAATAGGCAAGTCA 1

7
RESULT 3
US-10-717-573-7
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-PABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.2;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 45057 AATTAAACAAACAAATTA 45076
DB 1 AATTAAACAAACAAATTA 20

RESULT 4
US-10-717-573-7/c
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih

APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 7
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.2;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 45094 TTAATTTGTTGTTAAAT 45113
Db 20 TTAATTTGTTGTTAAAT 1

RESULT 5

US-10-717-573-9
Sequence 9, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-9

Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.2;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 28874 TAGTTACCTTAATTAACCTA 28893
Db 1 TAGTTACCTTAATTAACCTA 20

RESULT 6

US-10-717-573-9/c
Sequence 9, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 9
LENGTH: 20
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-9

Query Match 0.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.1;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 79467 ATGTTAATTAGGTTAACTA 79485
Db 19 AGGTTAATTAGGTTAACTA 1

RESULT 7

US-10-717-573-5
Sequence 5, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 13
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 65231 AAAATRAACACAGTG 65243
Db 1 AAAATRAACACAGG 13

RESULT 8

US-10-717-573-5/c
Sequence 5, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5
LENGTH: 13
TYPE: DNA
ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 11; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 150587 CTGTTTATTTT 150597
Db 11 CTGTTTATTTT 1

RESULT 9

US-10-717-573-4
Sequence 4, Application US/10717573
GENERAL INFORMATION:
APPLICANT: WU, Jen-Leih
APPLICANT: HER, Guor Mour
TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
FILE REFERENCE: 33151-188802
CURRENT APPLICATION NUMBER: US/10/717,573
CURRENT FILING DATE: 2003-11-21

6

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; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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4

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Query Match      0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 29041 TCCGTTTAAACAGAA 29054
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Db 1 TCCGATAAACAGAA 14
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RESULT 10
US-10-717-573-4/c
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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Query Match      0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 13;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 79291 TTCTGTTTAAACAGA 79304
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Db 14 TTCTGTTTATCGGA 1
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6

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RESULT 11
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
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Query Match      0.0%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 45042 AGTTTATTGTATG 45056
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Db 1 AATTATTGTGTTG 15
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RESULT 12
US-10-717-573-6/c
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
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Query Match      0.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 9.8;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 157989 CAACAAAATAAAT 158002
      ||||| |||||
Db 15 CAACACAAATAAAT 2
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Search completed: May 17, 2007, 16:39:00
Job time : 27 secs

Seq ID NO: 4 85.7%

NO: 5 100%

NO: 6 92.9%

NO: 7 90%

NO: 8 100%

17779

NO: 9 89.5

GenCore version 6.2.1
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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:41:06 ; Search time 1 Seconds
(without alignments)
33.462 Million cell updates/sec

Title: AL929535
Perfect score: 162436
Sequence: 1 GAATTCGGCCAGATTGG.....TAATTTTACTGTGTAATTC 162436

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 6 seqs, 103 residues
Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES				ALIGNMENTS	
Result No.	Score	Query Match Length	ID	Description	
1	16.8	0.0	20	US-10-717-573-9	Sequence 9, Appli
2	18.4	0.0	20	US-10-717-573-9	Sequence 9, Appli
3	19.4	0.0	21	US-10-717-573-8	Sequence 8, Appli
4	19.4	0.0	21	US-10-717-573-8	Sequence 8, Appli
5	15.2	0.0	20	US-10-717-573-7	Sequence 7, Appli
6	15.2	0.0	20	US-10-717-573-7	Sequence 7, Appli
7	11.4	0.0	13	US-10-717-573-5	Sequence 5, Appli
8	13	0.0	13	US-10-717-573-5	Sequence 5, Appli
9	12.4	0.0	14	US-10-717-573-4	Sequence 4, Appli
10	10.8	0.0	14	US-10-717-573-4	Sequence 4, Appli
11	11.8	0.0	15	US-10-717-573-6	Sequence 6, Appli
12	12.4	0.0	15	US-10-717-573-6	Sequence 6, Appli

RESULT 1
US-10-717-573-9
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA

ORGANISM: Danio rerio
US-10-717-573-9
Query Match 0.0%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 2.1;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 11137 TAGTTAACCTAATTACCCA 11156
DB 1 TAGTTACCTAATTACCTA 20
RESULT 2
US-10-717-573-9/c
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-9
Query Match 0.0%; Score 18.4; DB 1; Length 20;
Best Local Similarity 95.0%; Pred. No. 1.1;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 133585 TAGGTTAATTAGGTTAACTA 133604
DB 20 TAGGTTAATTAGGTTAACTA 1

RESULT 3
US-10-717-573-8
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8
Query Match 0.0%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.72;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 91587 TGATTTGCCCTAATTACCTAA 91607
DB 1 TGACTTGCTAATTACCTAA 21

RESULT 4
US-10-717-573-8/c
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih

APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8

Query Match 0.0%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.72; Mismatches 0; Gaps 0;
Matches 20; Indels 1; Indels 0; Gaps 0;

Qy 81473 TTAGGGTAATTAGGCAAGTTA 81493
Db 21 TTAGGGTAATTAGGCAAGTCA 1

RESULT 5
US-10-717-573-7

Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 3.7; Mismatches 0; Gaps 0;
Matches 17; Indels 3; Indels 0; Gaps 0;

Qy 136999 AATTAAACCAACAATAA 137018
Db 1 AATTAAACCAACAATAA 20

RESULT 6
US-10-717-573-7/c

Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7

Query Match 0.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 3.7; Mismatches 0; Gaps 0;
Matches 17; Indels 3; Indels 0; Gaps 0;

Qy 137034 TTAACCTGTTGTTTAAAT 137053
Db 20 TTAACCTGTTGTTTAAAT 1

RESULT 7

US-10-717-573-5
; Sequence 5, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 11.4; DB 1; Length 13;
Best Local Similarity 92.3%; Pred. No. 14; Mismatches 12; Indels 1; Indels 0; Gaps 0;

Qy 35781 AAAATATACAGG 35793
Db 1 AAAATATACAGG 13

RESULT 8

US-10-717-573-5/c
; Sequence 5, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-5

Query Match 0.0%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 11; Mismatches 0; Indels 0; Gaps 0;

Qy 81261 CCCTGTTTATTT 81273
Db 13 CCCTGTTTATTT 1

RESULT 9

US-10-717-573-4
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21

4

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; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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Query Match 0.0%; Score 12.4; DB 1; Length 14;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 29052 TCCGTTAAACAGAA 29065
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Db 1 TCCGATAACAGAA 14

4

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RESULT 10
US-10-717-573-4/c
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
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Query Match 0.0%; Score 10.8; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 14;
Matches 12; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 44370 TTCTGTTTAAATCGA 44383
||| |||||
Db 14 TTCTGTTTATCGA 1

6

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RESULT 11
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

Query Match 0.0%; Score 11.8; DB 1; Length 15;
Best Local Similarity 86.7%; Pred. No. 12;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 69869 AATCGATTTGTGTG 69883
||| |||||
Db 1 AATTATTGTGTG 15

6

```
RESULT 12
US-10-717-573-6/c
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

Query Match 0.0%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 11;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 67162 AACACAAATAAACT 67175
||| |||||
Db 14 AACACAAATAAATT 1

Search completed: May 17, 2007, 16:41:32
Job time : 21 secs

- NO:4 is not at 100%, 92.9%

- NO:5 is at 100%, 100%

81261 - 81273bp

- NO:6 is not at 100%

- NO:7 is not at 100%

- NO:8 is not at 100%

- NO:9 is not at 100%

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OM nucleic - nucleic search, using sw model

Run on: May 17, 2007, 16:43:05 ; Search time 1 Seconds
(without alignments)
0.152 Million cell updates/sec

Title: BX240588
Perfect score: 738
Sequence: 1 CATGCAAGCTTAGCCTTGTCT.....TTGTAATGGTTATCTATTATC 738

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 0.5

Searched: 6 seqs, 103 residues
Total number of hits satisfying chosen parameters: 12

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : seq4toseq9.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	19.4	2.6	21	1 US-10-717-573-8	Sequence 8, Appli
C 2	18.4	2.5	20	1 US-10-717-573-9	Sequence 9, Appli
C 3	13	1.8	13	1 US-10-717-573-5	Sequence 5, Appli
C 4	10.4	1.4	13	1 US-10-717-573-5	Sequence 5, Appli
C 5	10.4	1.4	20	1 US-10-717-573-7	Sequence 7, Appli
C 6	10.4	1.4	20	1 US-10-717-573-9	Sequence 9, Appli
C 7	9.8	1.3	21	1 US-10-717-573-8	Sequence 8, Appli
C 8	9.4	1.3	15	1 US-10-717-573-6	Sequence 6, Appli
C 9	9.2	1.2	14	1 US-10-717-573-4	Sequence 4, Appli
C 10	8.8	1.2	15	1 US-10-717-573-6	Sequence 6, Appli
C 11	8.4	1.1	20	1 US-10-717-573-7	Sequence 7, Appli
C 12	6.8	0.9	14	1 US-10-717-573-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
US-10-717-573-8/c
; Sequence 8, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA

; ORGANISM: Danio rerio
US-10-717-573-8
Query Match 2.6%; Score 19.4; DB 1; Length 21;
Best Local Similarity 95.2%; Pred. No. 0.26;
Matches 20; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 446 TTAGGGTAATTAGGCAAGTTA 466
DB 21 TTAGGGTAATTAGGCAAGTCA 1
RESULT 2
US-10-717-573-9/c
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-9
Query Match 2.5%; Score 18.4; DB 1; Length 20;
Best Local Similarity 95.0%; Pred. No. 0.38;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 420 TAGGTTAATTAGGTTAACTA 439
DB 20 TAGGTTAATTAGGTTAACTA 1

RESULT 3
US-10-717-573-5/c
; Sequence 5, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-5
Query Match 1.8%; Score 13; DB 1; Length 13;
Best Local Similarity 100.0%; Pred. No. 3.3;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 237 CCCTGTTATTTT 249
DB 13 CCCTGTTATTTT 1
RESULT 4
US-10-717-573-5
; Sequence 5, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih

; APPLICANT: HER, Guoz Mour
 ; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
 ; TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
 ; FILE REFERENCE: 33151-188802
 ; CURRENT APPLICATION NUMBER: US/10/717,573
 ; CURRENT FILING DATE: 2003-11-21
 ; NUMBER OF SEQ ID NOS: 30
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 5
 ; LENGTH: 13
 ; TYPE: DNA
 ; ORGANISM: Danio rerio
 ; US-10-717-573-5

```
Query Match      1.4%; Score 10.4; DB 1; Length 13;
Best Local Similarity 91.7%; Pred. No. 6.7;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

Qy 655 AAATAAAAGGG 666
|||
Db 2 AAATAACAGGG 13

```

7
RESULT 5
US-10-717-573-7
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7

```

```
Query Match      1.4%; Score 10.4; DB 1; Length 20;
Best Local Similarity 70.0%; Pred. No. 4.4;
Matches 14; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
```

Qy 637 ATTTAAATATAGAAAATAA 656
||||| | | | | | | |
Db 1 ATTTTAAGCAAA CAAATTAA 20

9

RESULT 6
US-10-717-573-9
; Sequence 9, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; TITLE OF INVENTION: PROTEIN (L-FABP) GENE AND TRANSGENIC FISH COMPRISING THEM
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 9
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-9

```

Query Match      1.4%; Score 10; DB 1; Length 20;
Best Local Similarity 72.2%; Pred. NO. 4.8;
Matches 13; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

```

Qy 21 TAGCTATAGTGATTAACC 38
||| ||| - ||| |||
Db 1 TAGTTACCCCTAATTAACC 18

```

RESULT 7
US-10-717-573-8
; Sequence 8, Application US/1071573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CON
; TITLE OF INVENTION: PROTEIN (L-FAN
; FILE REFERENCE: 33151-18802
; CURRENT APPLICATION NUMBER: US/10/
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 8
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-8

```

```
Query Match      1.3%; Score 9.8; DB 1; Length 21;
Best Local Similarity 66.7%; Pred. No. 4.8;
Matches 14; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
```

Qy 416 TAACTAGGTTAATTAGGTAA 436
 | | | | |
Db 1 TGACTTGCCTAATTAACCTAA 21

```

RESULT 8
US-10-717-573-6/c
, , , Sequence 6, Application US/10717573
, , , GENERAL INFORMATION:
, , , APPLICANT: WT, Jen-Leih
, , , APPLICANT: HER, Guor Mour
, , , TITLE OF INVENTION: EXPRESSION CON
, , , TITLE OF INVENTION: PROTEIN (L-FAB
, , , FILE REFERENCE: 33151-189802
, , , CURRENT APPLICATION NUMBER: US/10/
, , , CURRENT FILING DATE: 2003-11-21
, , , NUMBER OF SEQ ID NOS: 30
, , , SOFTWARE: Patentin version 3.2
, , , SEQ ID NO 6
, , , LENGTH: 15
, , , TYPE: DNA
, , , ORGANISM: Danio rerio
US-10-717-573-6

```

```
Query Match      1.3%; Score 9.4; DB.1; Length 15;
Best Local Similarity 90.9%; Pred. No. 7.4;
Matches 10; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
```

QY 579 AAAACAAATAA 589
DB 14 AACACAAATAA 4

RESULT 9
US-10-717-573-4/c
Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONT
; TITLE OF INVENTION: PROTEIN (L-FAB
; FILE REFERENCE: 33151-188602
; CURRENT APPLICATION NUMBER: US/10/
; CURRENT FILING DATE: 2003-11-21

4

```
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
```

```
Query Match      1.2%; Score 9.2; DB 1; Length 14;
Best Local Similarity 78.6%; Pred. No. 8.3;
Matches 11; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 260 TTCTTTTAAACAGA 273
Db 14 TTCTGTTTATCGGA 1
```

6

```
RESULT 10
US-10-717-573-6
; Sequence 6, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 6
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-6
```

```
Query Match      1.2%; Score 8.8; DB 1; Length 15;
Best Local Similarity 83.3%; Pred. No. 8.4;
Matches 10; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 86 AATTCTATGTG 97
Db 1 AATTATTGTG 12
```

7

```
RESULT 11
US-10-717-573-7/c
; Sequence 7, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 7
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-7
```

```
Query Match      1.1%; Score 8.4; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 6.8;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 243 TTAATTTGTT 252
Db 20 TTAATTTGTT 11
```

```
RESULT 12
US-10-717-573-4
; Sequence 4, Application US/10717573
; GENERAL INFORMATION:
; APPLICANT: WU, Jen-Leih
; APPLICANT: HER, Guor Mour
; TITLE OF INVENTION: EXPRESSION CONTROL SEQUENCES MODULATING LIVER FATTY ACID BINDING
; FILE REFERENCE: 33151-188802
; CURRENT APPLICATION NUMBER: US/10/717,573
; CURRENT FILING DATE: 2003-11-21
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Danio rerio
US-10-717-573-4
```

```
Query Match      0.9%; Score 6.8; DB 1; Length 14;
Best Local Similarity 80.0%; Pred. No. 12;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 653 ATAAATAAAA 662
Db 5 ATAAACAGAA 14
```

Search completed: May 17, 2007, 16:43:05
Job time : 1 secs

Seq ID NO:4 80.1
78.6
NO:5 100.1
91.7

NO:6 83.3
90.9

NO:7 90.0
77.2

NO:8 65.7
72 95.2

NO:9 95
72.2